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|--------------|---|----------------|----------|
| <b>Title</b> | <b>Diagnose and repair vehicle electronic braking system faults</b> |                |          |
| <b>Level</b> | <b>4</b>  | <b>Credits</b> | <b>8</b> |

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| <b>Purpose</b> | People credited with this unit standard are able to diagnose and repair vehicle electronic braking system faults. |
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| <b>Classification</b> | Motor Industry > Automotive Electrical and Electronics |
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| <b>Available grade</b> | Achieved |
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### Guidance Information

- 1 It is recommended that people hold credit for Unit 31064, *Describe the operation of vehicle electronic braking systems* before being assessed against this unit standard.
- 2 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, and company and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 3 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of the Health and Safety at Work Act 2015; Land Transport Rule: Light-vehicle Brakes 2002, Rule 32014; Land Transport Rule: Vehicle Repair 1998, Rule 34001, and any subsequent amendments and replacements.
- 4 Definitions  
*Company requirements* refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.  
*Service information* may include – technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.
- 5 Machines may include: forklifts, earth moving equipment, grader equipment, loaders, dozers, tractors, agricultural equipment, dump trucks, prime movers; electric machines including – forklift, walk-behind pallet, ride-on pallet, reach truck, order picker, counterbalance truck, turret truck.
- 6 *ABS, TCS, and ESC* refer to anti-lock braking systems, traction control systems, and electronic stability control, respectively.

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**Outcomes and performance criteria****Outcome 1**

Diagnose and repair vehicle electronic braking system faults.

Range may include – ABS, TCS, ESC, EBD, park brake.

**Performance criteria**

1.1 Electronic braking system faults are diagnosed.

Range evidence of three separate system faults is required.

1.2 Electronic braking system faults are repaired.

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| <b>Replacement information</b> | This unit standard replaced unit standard 24142. |
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| <b>Planned review date</b> | 31 December 2022 |
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**Status information and last date for assessment for superseded versions**

| Process      | Version | Date         | Last Date for Assessment |
|--------------|---------|--------------|--------------------------|
| Registration | 1       | 1 March 2018 | N/A                      |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0014 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

Please contact MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.